

1982 EDITORIAL INDEX

The staff of *Communications* magazine, once again, thanks all the wonderful people whose excellent contributions of material and photographs helped to make 1982 a success.

Regulatory Update

- **Land Mobile Satellite . . . Should We Preserve the Option?** A presentation of NASA's position on an interesting communications service that the FCC seems to oppose. *January 1982, p. 28.*
- **How FCC Rules are Made.** A "Flow Chart" approach to the rulemaking process, with suggestions on how to file your comments. *February 1982, p. 34.*
- **Associations and Manufacturers: Where They Stand.** (Richard G. Somers) The basic position of each of the major manufacturers and associations in Docket 79-191/79-334. *March 1982, p. 30.*
- **Understanding RM-3975 . . . It's Not Just For Public Safety.** (Randall Watwood) The Los Angeles County Sheriff's Department discusses some of the specifics behind their petition to the FCC. *March 1982, p. 36.*
- **Spotlight on ENTELEC.** The focus is on why ENTELEC was founded and what it does today. *March 1982, p. 41.*
- **Understanding the Forest Service Planning Process.** (Carl Corey & Dick Modee) An in-depth look at the goals and methodology of the USF's planning process. *April 1982, p. 32.*
- **The First Annual Communications Reader Profile (Part One).** (Doug Lumsden) A comprehensive look at business radio dealers. *April 1982, p. 36.*
- **The Communications Reader Regulatory Survey — First Edition.** A survey designed to gather information on our reader's opinions on PR Docket No. 82-10 (the NOI on "Future Requirements"). This information will be tabulated and then presented to the FCC. *May 1982, p. 30.*
- **Spotlight on IEEE-VTS.** (Stuart F. Meyer) A comprehensive account of the purpose, programs and scope of this progressive technical society. *May 1982, p. 29.*
- **Spotlight on UTC.** (Keller and Heckman) This month we are highlighting UTC; its purpose, programs and how it can help you. *June 1982, p. 38.*
- **The Communications Reader Regulatory Survey — Second Edition.** Our readers are asked to give their opinions on the NOI "field study frequency coordination." *June 1982, p. 40.*
- **The First Annual Communications Reader Profile (Part Two).** (Doug Lumsden) A comprehensive look at business radio users. *June 1982, p. 46.*
- **Regulatory Survey Results — PR Docket No. 82-10.** Here is the data derived from the survey we conducted in our May '82 issue. *July 1982, p. 36.*
- **Docket 18921: Community Repeaters and Cooperatives in a Nutshell.** (George Petrutsas) George Petrutsas explains the recent rulings by the FCC in simple, easy to understand language. *July 1982, p. 43.*
- **Spotlight on APCO.** APCO, the Associated Public Safety Communications Officers, Inc., is the frequency coordinator for the police, fire and most local government users in the U.S. *August 1982, p. 25.*
- **Reader Survey Results.** Here are the opinions of those who responded to our survey on "field study frequency coordination." *August 1982, p. 26.*
- **Radio Applications Licensing.** An overview of the companies involved with cellular and some information on their systems. *September 1982, p. 30.*

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● **Rebuilding Good Relations With The FCC.** (Arthur Hill) Is consolidation taking place within the land mobile industry? It appears as if the FCC is taking strides in this direction. *September 1982, p. 34.*

● **Cellular Radio Applications Licensing Chart.** Continued from the September issue, this month's cellular chart lists non-wireline applications. *October 1982, p. 20.*

● **The First Annual Communications Reader Profile: RCCs.** (Doug Lumsden) *Communications* readership profile focuses on radio common carriers. The profile describes services offered by RCCs, trends and developments in this industry. *November 1982, p. 28.*

● **Frequency Coordination at 800 MHz.** (Arthur Hill) New channel space at 800 MHz is creating a flurry of activity in Washington, especially for frequency coordinating groups. How coordination is being accomplished is the subject of this article. *December 1982, p. 28.*

Sales/Management

● **Nothing Happens Until Somebody Sells Something.** (Dennis F. Barry) Marketing strategies for a changing marketplace that will help put sales and servicing functions into proper perspective. *January 1982, p. 40.*

● **Year End Tax Strategies: Meet ERTA (Part Two).** (Richard A. Vinet) The conclusion of the two-part series on how the new tax laws affect your business. *January 1982, p. 56.*

● **Fire Alarms For The Deaf: Vibrating Pagers.** (Ursula Wallace) An interesting and novel application for a well known technology. *February 1982, p. 64.*

● **The Microprocessor Driven Mobile Radio.** (Pat Kennedy) An examination of the practical and marketing impact of computer technology in the land mobile equipment market. *February 1982, p. 96.*

● **No Problem Found.** (Stan Gibilisco) An examination of how to handle situations where you can't find a thing wrong with a radio except that it doesn't work. *March 1982, p. 50.*

● **Owning Your Company's Building: A Tax and Finance-Wise Move.** (Richard A. Vinet) A unique opportunity for an investment tax shelter, a good investment and an additional profit making business are presented. *March 1982, p. 56.*

● **Meeting Japan's Challenge: Motorola's Participative Management Program.** (Ralph W. Elsner) The first in a series concerning American corporations' answer to the Japanese management concept. *April 1982, p. 64.*

● **SMR User Contracts — Give Them Careful Thought.** (Carl Stevenson) An in-depth look at a prototype SMR user contract. *April 1982, p. 77.*

● **Growth in Land Mobile Radio.** (William F. Atkins, Jr.) An examination of important factors and new technology involved in the growing LMR industry. *April 1982, p. 89.*

● **Continuing Education for Business Radio Dealers.** (Richard A. Vinet) An important way to nourish the growth of your business. *April 1982, p. 95.*

● **Repeater Site Security: How to Protect Your Equipment and Yourself.** (Roger McGrath) A discussion of alarms, insurance and other methods of protecting against vandalism, theft and liability. *May 1982, p. 62.*

● **Business Growth Through Service Contracts.** (David R. Albone) A thorough explanation of how selling service contracts can boost your profits. *May 1982, p. 72.*

● **Sales Leads: How They Can Bring You Profits.** (Stan Reubenstein) A look at the various types of sales leads and how you can turn them into profits. *June 1982, p. 74.*

● **Effective Management and Production: Does Japan Have the Answer?** (Debra Felker) The second in a series comparing the Japanese and American management structure. *June 1982, p. 82.*

● **Should We Emulate Japan's Management Methods?** (Steve Crum) A look at the social and cultural differences between the U.S. and Japan raises some valid doubts — are we trying to "put a square peg into a round hole?" *July 1982, p. 74.*

● **How to Attend Trade Shows.** (Stan Reubenstein) A veteran of many trade shows presents some good ideas on how to save money, have a good time and get the most possible benefit from your trade show attendance. *August 1982, p. 46.*

● **Life After the Japanese Two-Way Radio Challenge.** (Mark W. DuMars) Another in this continuing series of articles by prominent land mobile executives. *August 1982, p. 54.*

● **Age Of The Telecommunications Entrepreneur.** (Alan A. Reiter) A challenge for today's RCC. Success means taking advantage of relaxed legislation and cellular opportunities. *September 1982, p. 58.*

● **Progressive Communications For A Secure Campus.** (Heidi M. Ziolkowski) With waves of crime sweeping the U.S., this California university utilizes its impressive communications system to maintain an outstanding record. *September 1982, p. 68.*

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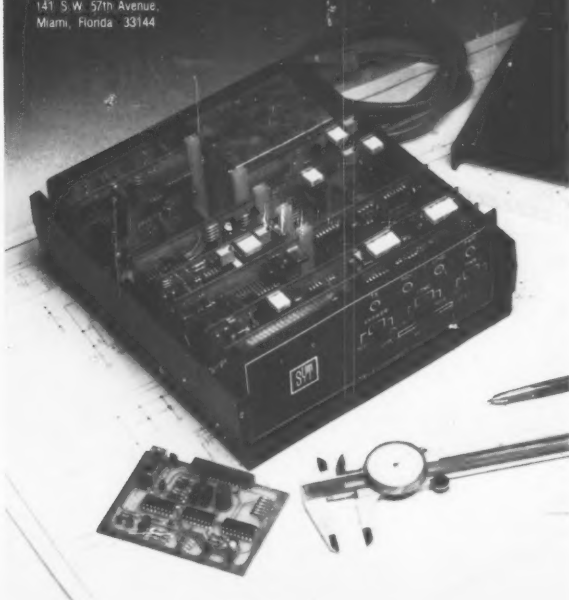
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● **Make Your Business More "Selective."** (Clay Rhoades) Selective calling enhances an 800 MHz conventional system and makes life easier for Hallmark West Realty in California. *October 1982, p. 54.*

● **Increase Your Profits With Creative Sales.** (David M. Ford) A Wisconsin dealer demonstrates how he supplemented his line with remote alarm systems . . . with profitable results. *October 1982, p. 60.*

● **Communications Boosts Security at World's Fair.** The 1982 World's Fair in Knoxville, Tenn., is the first with its own internal security force. This article examines the communications system and its applications. *November 1982, p. 60.*

● **Synthesized LMRs Meet Worldwide Standards.** After five years of research, Midland and Hitachi Denshi are producing a revolutionary new line of synthesized radios intended for the international market. *November 1982, p. 64.*

● **Installation is the Key to Performance.** (Tom Porpiglia) Proper mounting can only improve the performance of a car telephone. Offered in this article are some tips to correct installation. *December 1982, p. 48.*

● **A Cutback in Tax Breaks Can Affect You.** (Richard A. Vinet) The Tax Reduction Bill of 1981 was closely followed by a curtailment of tax breaks for the small businessman and the individual. Richard Vinet describes how the changes in taxation laws will affect you. *December 1982, p. 56.*

Technology

● **Is Land Mobile SSB an American Exclusive?** Reports on land mobile SSB research in England and Japan. *January 1982, p. 94.*

● **Understanding and Servicing Synthesizers (Part Two).** (Carl R. Stevenson) Wrapping up the loose ends with some practical suggestions for fault isolation and troubleshooting. *January 1982, p. 98.*

● **The Basics of Mobile Radio Digital Communications (Part One).** (John E. Tyler, Jr.) Many people in the radio field don't understand digital terminology and systems. This article presents the basis for gaining a greater understanding of this growing component of our industry. *February 1982, p. 146.*

● **Control of Distributed Radio Communications Systems.** (Gary Stanfill) An in-depth look at how to configure wide-area, remotely controlled radio systems. *February 1982, p. 150.*

● **The Basics of Mobile Radio Digital Communications (Part Two).** (John E. Tyler, Jr.) The conclusion of this

article discusses message formats, transmission speeds, compatibility with radio systems, reliability and falsing. *March 1982, p. 106.*

● **Keystone: Two Way Radio in the Colorado Rockies.** (Carl R. Stevenson) An interesting and unusual application for two-way radio is presented to emphasize the importance of looking for new ways to apply technology. *March 1982, p. 114.*

● **Fire Department CAD Systems Promote Efficient Communications.** (Mark Mainardi) Edmonton, Alberta's answer to better meeting present and future needs. *April 1982, p. 138.*

● **TACTEC's Trunking System — The Newest Entry.** (George Kameron) A look at trunking as a viable answer to many congestion and co-channel interference problems. *April 1982, p. 146.*

● **Local Area Data Distribution.** (Daniel L. Gillum) An examination of narrow band FM radio data transmission. *April 1982, p. 156.*

● **Methods of Suppressing Automotive Interferences.** (Harold E. Taggart) Effective techniques for reducing EMI are discussed. *April 1982, p. 168.*

● **Meteor Burst Communications.** (R.E. Leader) A fascinating look at some practical applications of this "new" technology, which was actually pioneered by "Hams" years ago. *May 1982, p. 124.*

● **Rebroadcasting NOAA Weather on Tone and Voice Paging Systems.** (John S. Hollar, Jr.) Pagers that broadcast weather reports. A look at the steps it took to make it work. *June 1982, p. 122.*

● **Nicad Portable Batteries: Dead or Alive?** (Bill Webb) The potential problems of nicad portable batteries and the possible solutions are examined. *June 1982, p. 129.*

● **Sandia Crest Revisited.** (Eric A. Powers) An examination of PNM's solutions to Sandia Crest's noise and interference problems. *June 1982, p. 132.*

● **More Good Ideas For Communications Towers.** (Phil Burks) A number of "dos and don'ts" for planning a good tower site. *July 1982, p. 116.*

● **Firescope — Cooperative Communications for Effective Firefighting.** (Arnie Masoner & Charles Colombro) A look at the Firescope system in southern California shows how multi-frequency radios and coordinated sharing plans can help improve interagency coordination in fighting major fires. *July 1982, p. 124.*

● **A Computerized Pager Maintenance Program.** (James H. Schultz) A description of how one progressive company



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has implemented a computer-controlled system of test equipment for faster, more efficient service. *August 1982, p. 102.*

● **The Arizona Statewide EMSCOM System.** (Rick Tannehill) A thorough explanation of the requirements, design considerations, developments and functions of a complex and interesting emergency medical communications system. *August 1982, p. 108.*

● **Train to Signalbox: Part I.** (R.E. Simpson & D. McLay) How a unique method of railroad communications saves time, expense and even fuel. *September 1982, p. 110.*

● **Solar Cell Theory.** (Charles L. Osterloh) The properties of semiconductor photovoltaic cells and how they interface with the mobile radio industry. *September 1982, p. 114.*

● **Curing 800 MHz Trunked System Interference.** (Lou Meyer) Has interference in your 800 MHz trunked system made performance less than acceptable? Here are two sources and some possible cures. *October 1982, p. 98.*

● **Train to Signalbox: Communications on British Rail.** (R.E. Simpson & D. McLay) Second of two parts, this article describes the first signalbox to train radio system in use in England and its many benefits. *October 1982, p. 104.*

● **Build Your Own Tower Alarm.** (Robert D. Greer) With some knowledge of circuitry and a little ingenuity, you too can build your own tower alarm system. *October 1982, p. 110.*

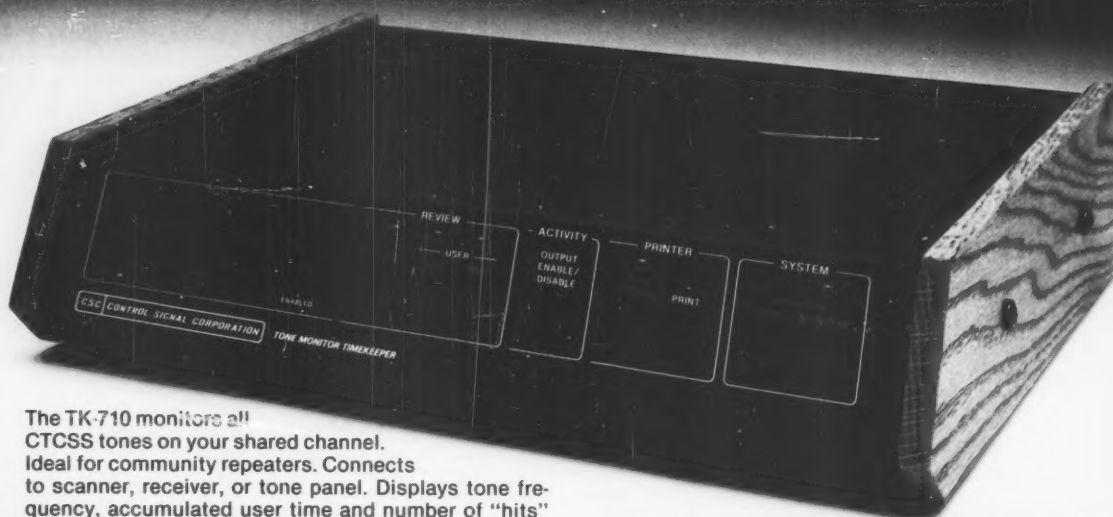
● **Expand Your System With Remote Control.** (Monty Friesen) Remote control equipment is frequently required for expanding radio communications systems. What is the best type for you and how do remotes work? *November 1982, p. 98.*

● **How to Find Your True Voltage.** (Albert Thomas) Knowing Thevenin's and Norton's Theorems is a must when trying to figure out what is really going on inside equipment. Here is an explanation, plus some original equations. *November 1982, p. 102.*

● **What Are The Antenna Trade-Offs?** (Dale Horn) Some compromises may be inevitable when selecting the right antenna to do a specific job. Here are some technical considerations when making such a choice. *December 1982, p. 90.*

● **Are Multicoupling Systems Created Equal?** (Dennis Hohman) Multicoupling systems are an essential link in modern radio systems. This article helps you decide which models will provide the desired performance levels for your antenna site. *December 1982, p. 102.*

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